

WHAT IS CLAIMED IS:

WHAT IS CLAIMED IS:

- 5 1. A drive transmission apparatus comprising:  
a first coupling portion having a polygonal  
shape;  
a second coupling portion having a hole  
portion which has a cross-sectional configuration  
larger than said first coupling portion, said hole  
portion being engageable with said first coupling  
10 portion; and  
a center shaft provided on said first  
coupling or said second coupling, said center shaft  
penetrating the other one of said first and second  
coupling.
- 15 2. An apparatus according to Claim 1, wherein  
said first coupling portion receives a driving force  
from said second coupling portion.
- 20 3. An apparatus according to Claim 1, wherein  
said second coupling portion is movable in an axial  
direction of said center shaft, and is provided with  
an urging means for urging said second coupling in the  
axial direction of said center shaft.
- 25 4. An apparatus according to Claim 1, wherein  
said center shaft has a taper configuration at the end

09978213-101701

21

portion.

5. An apparatus according to Claim 1, wherein  
said first coupling portion has a twisted projection  
having a polygonal cross-section.

6. An apparatus according to Claim 1, wherein  
the hole portion of said second coupling portion has a  
polygonal cross-section.

7. An apparatus according to Claim 5 or 6,  
wherein said polygonal hole portion of said second  
coupling portion is twisted.

8. An apparatus according to Claim 1, wherein  
said center shaft is rotatable integrally with said  
first and second coupling portions.

9. An apparatus according to Claim 8, further  
comprising brake means actable on said center shaft in  
its circumferential direction.

10. An apparatus according to Claim 9, wherein  
said brake means applies a frictional force to said  
center shaft.

11. An apparatus according to Claim 10, wherein

*Sub  
B1  
Cont*

09978213 101701

the frictional force is applied by an elastic member contactable to said center shaft.

12. An apparatus according to Claim 9, wherein  
5 said brake means is a powder-brake.

13. An apparatus according to Claim 9, wherein  
said brake means is provided with a torque!!.

10 14. An apparatus according to Claim 9, wherein  
said brake means includes magnetic force applying  
means for applying a magnetic force to said center  
shaft.

15 15. An image forming apparatus comprising:  
a photosensitive member;  
charging means for charging said  
photosensitive member;  
image forming means for forming an  
20 electrostatic image on said photosensitive and charged  
by said charging means;  
developing means for developing the  
electrostatic image;  
transferring means for transferring the image  
25 developed by said developing means onto a recording  
material;  
a driving source;

Handwritten scribble

09978213 101701

Sub  
B1  
under

a driver for transmitting a driving force from said driving source to said photosensitive member;

5 a first coupling portion having a polygonal shape;

a second coupling portion having a hole portion which has a cross-sectional configuration larger than said first coupling portion, said hole portion being engageable with said first coupling portion; and

10

a center shaft provided on said first coupling or said second coupling, said center shaft penetrating the other one of said first and second coupling;

15 wherein said photosensitive member has one of said first coupling portion and said second coupling portion, and said driver as the other coupling portion.

20 16. An apparatus according to Claim 15, wherein said first coupling portion receives a driving force from said second coupling portion.

25 17. An apparatus according to Claim 15, wherein said photosensitive member is positioned currently relative to said image forming apparatus using said center shaft.

09978213-101701

Sub B1 and  
18. An apparatus according to Claim 15, wherein said center shaft has a taper configuration at the end portion.

5 19. An apparatus according to Claim 15, wherein said first coupling portion has a twisted projection having a polygonal cross-section.

10 20. An apparatus according to Claim 15, wherein the hole portion of said second coupling portion has a polygonal cross-section.

15 21. An apparatus according to Claim 15, wherein said polygonal hole portion of said second coupling portion is twisted.

Sub A1  
20 22. An apparatus according to Claim 15, wherein  
8. An apparatus according to Claim 1, wherein said center shaft is rotatable integrally with said first and second coupling portions.

Sub B1 and  
25 23. An apparatus according to Claim 15, further comprising brake means actable on said center shaft in its circumferential direction.

24. An apparatus according to Claim 23, wherein said brake means applies a frictional force to said

center shaft.

25. An apparatus according to Claim 24, wherein the frictional force is applied by an elastic member contactable to said center shaft.

26. An apparatus according to Claim 23, wherein said brake means is a powder-brake.

27. An apparatus according to Claim 23, wherein said brake means is provided with a torque.

28. An apparatus according to Claim 23, wherein said brake means includes magnetic force applying means for applying a magnetic force to said center shaft.

29. An apparatus according to Claim 15, wherein said transferring means includes an intermediary transfer member.

30. An apparatus according to Claim 15, wherein said photosensitive member is a part of a unit including process means actable on said photosensitive member.

31. An apparatus according to Claim 30, wherein

Sub  
mit

09978213-101701

Suf  
B1  
cut

said process means includes at least one of said charging means, said developing means and cleaning means for cleaning photosensitive member.

5        32. A process unit which is detachably mountable to an image forming apparatus having a driving portion, said process unit including process means actable on the photosensitive member, said process unit comprising:

10            a first coupling portion having a polygonal shape and engageable with the driving portion of the main assembly of the apparatus;

15            a hole portion engaged with a center shaft penetrating an engaging portion between said first coupling portion and the driver.

20        33. A process unit according to Claim 32, wherein said process unit is positioned correctly relative to said image forming apparatus using said center shaft.

34. A process unit according to Claim 32, wherein said center shaft has a taper configuration at the end portion.

25        35. A process unit according to Claim 32, wherein said first coupling portion has a projection having a polygonal cross-section.

09978213-101701

*Handwritten signature*

36. A process unit according to Claim 35, wherein said polygonal portion is twisted.

5 37. A process unit according to Claim 32, wherein said first coupling portion has a hole portion having a polygonal cross-section.

10 38. A process unit according to Claim 37, wherein said hole portion is twisted.

*Handwritten signature*

15 39. A process unit according to Claim 32, wherein said center shaft is rotatable integrally with said first coupling.

40. A process unit according to Claim 39, further comprising brake means actable on said center shaft in its circumferential direction.

20 41. A process unit according to Claim 40, wherein said brake means applies a frictional force to said center shaft.

25 42. A process unit according to Claim 41, wherein the frictional force is applied by an elastic member contactable to said center shaft.

09018243101701



43. A process unit according to Claim 40, wherein  
said brake means is a powder-brake.

44. A process unit according to Claim 40, wherein  
5 said brake means is provided with a torque!!.

45. A process unit according to Claim 40, wherein  
said brake means includes magnetic force applying  
means for applying a magnetic force to said center  
10 shaft.

46. A process unit according to Claim 32, further  
comprising a photosensitive member.

47. A process unit according to Claim 46, wherein  
15 said first coupling portion is provided on said  
photosensitive member.

48. A process unit according to Claim 32, wherein  
20 said process means includes at least one of said  
charging means, said developing means and cleaning  
means for cleaning photosensitive member.